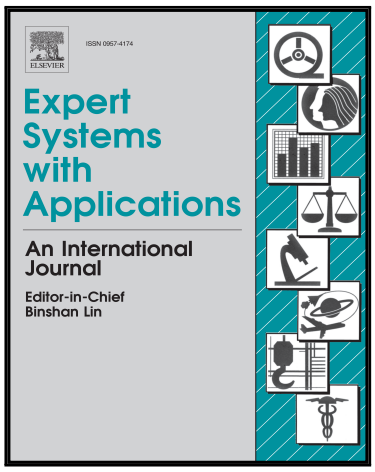

Differential Evolution Algorithm as a Tool for Optimal Feature Subset Selection in Motor Imagery EEG

Muhammad Zeeshan Baig, Nauman Aslam, Hubert P.H. Shum, Li Zhang

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Highlights

- We propose a novel hybrid method for feature selection using Differential Evolution for EEG signals.
- The proposed method achieved feature reduction by 90% and average classification accuracy of 95%.
- Evaluation of the proposed scheme was performed on BCI Competition III, dataset Iva.
- Results demonstrated promising performance compared with other evolutionary algorithms.